AMENDMENTS TO THE CLAIMS

Please amend Claim 1 and cancel Claims 7-8 as shown in the following listings of the claims:

1. (Currently amended): A method of determining statistical significance of disease incidence, said method comprising:

   (a) selecting at least one founder from a computerized genealogical database;

   (b) identifying a very large family from the founder in said computerized genealogical database, wherein said very large family comprises a subpopulation of said genealogical database;

   (c) ~~linking the very large family to a disease database, wherein said linking comprises~~ determining an incidence of disease by calculating the number and distribution of disease cases within the very large family;

   (d) comparing the incidence of disease in the very large family to a general population incidence of disease; and

   (e) assessing a statistical significance of the disease incidence in the very large family and presenting a measure of said statistical significance on a display or printout.

2. (Original): A method as in claim 1, comprising: determining a relative risk of incidence of disease for the very large family.

3. (Original): A method as in claim 2, comprising: determining a relative risk of incidence of disease for an individual within the very large family.

4. (Original): A method as in claim 1, comprising: obtaining DNA samples from individuals with disease and their family within the very large family.

5. (Original): A method as in claim 4 comprising: identifying identity-by-decent regions within the DNA samples.

6. (Original): A method as in claim 5, comprising: identifying a susceptibility gene within the identity-by descent regions.

7.-10. (Canceled).